

INFORMATION DISCLOSURE APPLICATION  
 COPY  
 MAR 17 2004  
 PATENT & TRADEMARK OFFICE

Docket Number  
 WEM-032.01  
 Application Number  
 09/302,139  
 Applicant  
 Hummel  
 Filing Date  
 April 29, 1999  
 Group Art Unit  
 To Be Assigned  
 2133

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	AA 5,544,107	8/6/96	Hill	365	201	
Q	AB 5,732,207	3/24/98	Allen et al.	714	5	
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					

RECEIVED  
 APR 24 2004  
 TECH CENTER 2700

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	AJ						
	AK						
	AL						
	AM						
	AN						

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	
	AR	
	AS	

EXAMINER  
 Guy Ramann  
 DATE CONSIDERED  
 8/7/01 & 10/22/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**COPY**  
INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

*(Use several sheets if necessary)*

Docket Number (Optional)  
WEM-032.01 (18817-3201)

Application Number  
**09/302,139**

Applicant  
Hummel, U.

**Filing Date**  
**29 April 1999**

Group Art Unit  
2811 2133


## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER DOCUMENTS**(Including Author, Title, Date, Pertinent Pages, Etc.)

	B	Doso, B., 09017957A, Patent Abstracts of Japan, 17.01.97	RECEIVED
			JUL 26 1999
			TECHNOLOGY CENTER 2800

## EXAMINER

Guy Lomane

## DATE CONSIDERED

8/17/01    \$ 7/3/02    \$ 10/22/04

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Form PTO-1449		Docket Number (Optional) WEM-032.02		Application Number 10/604,579	
<b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>		Applicant Hummel		Group Art Unit 2133	
		Filing Date 7/31/2003			
<b>U.S. PATENT DOCUMENTS</b>					
EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE IF APPROPRIATE
	4,940,909	7/1990	Mulder et al.	—	—
	4,965,768	10/1990	Takeuchi	↓	↓
	5,084,843	1/1992	Mitsuishi et al.		
	5,150,188	9/1992	Hara et al.		
	5,293,341	3/1994	Tsujimoto		
	5,627,784	5/1997	Roohparvar		
	5,973,900	10/1999	Sher		
EXAMINER			DATE CONSIDERED 10/22/04		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					